

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

1. (Currently Amended) A truss structure comprising an upper chord member, a lower chord member, a diagonal chord member connected to a parent plate, and a connection part formed on an end of each of said chord members, wherein

said upper chord member, said lower chord member and said diagonal chord member each comprise a pipe member; and

said connection part comprises a tubular section and a flat section formed integral and continuously with said tubular section extending from and integral with each said pipe member said flat section having a width determined by the diameter of the pipe member; wherein

said connection part is connected to said parent plate, via a bolt passing through a bolt opening formed in said flat section ~~which has a width determined by the diameter of the pipe member~~, and an edge portion of the tubular section defining a semi-circular boundary with said flat section and said flat section includes a transitional slack portion at both ends of the semi-circular boundary and said parent plate includes a rib erected crosswise thereon, and an

edge of said flat section is tapered to allow for each flat section of each chord member to be positioned in close proximity to said parent plate.

2. (Currently Amended) A truss structure comprising an upper chord member, a lower chord member, a diagonal chord member connected to a parent plate, and a connection part formed on an end of each of said chord members, wherein

said upper chord member, said lower chord member and said diagonal chord member each comprise a pipe member; and

said connection part comprises a pipe tubular section having a curved surface which is formed integrally with and to extend from said pipe member from the pipe member being flattened into a single piece and a flat section formed integral with said pipe tubular section and having a width determined by the diameter of the pipe member; wherein

said connection part is connected to said parent plate, via a bolt passing through a bolt opening formed in said flat section ~~which has width determined by the diameter of said pipe member~~, and an edge portion of the pipe tubular section defines a semi-circular boundary with said flat section, said flat section including a transitional slack portion at both ends of the semi-circular boundary and said connection part further comprises said parent plate and a rib erected crosswise thereon, and wherein an edge of said flat section is configured to allow for each flat section of each chord member to be positioned in close proximity to said parent plate.

3-8. (Cancelled)

9. (Currently Amended) A truss structure according to claim [[3]]1, wherein the size of the tapered edge of said flat section is determined by the following relationship:

$$\ell \leq \sqrt{2} t/2 + 10 \sqrt{2} + 2.0 d + B/2, \text{ and } \ell > 3d \text{ (mm)}$$

wherein ℓ is a length between centers of the bolt opening of respective flat sections of opposed chord members on the parent plate, d is the diameter of bolt and B is the width of the respective flat sections.

10. (Currently Amended) A truss structure according to claim [[8]]2, wherein the size of the tapered edge of said flat section is determined by the following relationship:

$$\ell \leq \sqrt{2} t/2 + 10 \sqrt{2} + 2.0 d + B/2, \text{ and } \ell > 3d \text{ (mm)}$$

wherein ℓ is a length between centers of the bolt opening of respective flat sections of opposed chord members on the parent plate, d is the diameter of bolt and B is the width of the respective flat sections.